ents	Reference to last Measurement
7	8
791- W	
1162- W	
3791- W	
500- W	
980- W	
18742- W	
33765- W	
273731- W	

First & Final Bill

SBMD-24/15-16
A:30-4-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

BR-16
30-4-15
251071

erial No. .....

ame of Work Improvements to roads and construction of Drains at Kempegowda Layout (Cowat to RR School) in ward NO-10. From ..... To .....

ame of Contractor of nature of Agency ..... Sri. Aswathnarayan Anjanappa.

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work code NO:-						
	Aggrement NO:-						
	Work order NO:- EE/BTP/BBMP/E-PMT/						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on 03-02-2015.						
1)	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc.						
	CC Drain						
	Main Road RHS	L	30.00	1.20	1.00 =	36.00 Cum	
		L	26.00	1.20	1.00 =	31.20 Cum	
		L	31.60	1.20	1.00 =	37.92 Cum	
	Main Road LHS	L	30.00	1.20	1.00 =	36.00 Cum	
		L	26.00	1.20	1.00 =	31.20 Cum	
		L	31.60	1.20	1.00 =	37.92 Cum	
	Cross Road RHS	L	30.00	1.20	1.00 =	36.00 Cum	
		L	12.70	1.20	1.00 =	15.24 Cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Cross Road LHS	L
		L
	Interior Road	L
	For Asphalting Road	
	Keempegowda Layout	L
		L
		L
		L
		L
		L

ntents	Reference to last Measurement
7	8
involving an average	
pto 0.50m, excavated	
earth to be leveled	
0 Cum	
0 Cum	
92 Cum	
0 Cum	
20 Cum	
92 Cum	
00 Cum	
24 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251072

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road LHS	1	30.00	1.20	1.00 =	36.00 Cum	
		1	12.70	1.20	1.00 =	15.24 Cum	
	Interior Road	1	32.00	1.20	1.00 =	38.40 Cum	
	For Asphalting Road						
	Kempegowda Layout	1	28.50	$\frac{(3.10+4.00)}{2}$	0.40 =	40.47 Cum	
		1	12.90	$\frac{(7.10+6.90)}{2}$	0.50 =	45.15 Cum	
		1	30.00	$\frac{(4.9+5.50)}{2}$	0.50 =	78.00 Cum	
		1	12.70	$\frac{(5.5+5.10)}{2}$	0.40 =	26.92 Cum	
		1	32.00	$\frac{(5.40+4.30)}{2}$	0.45 =	69.84 Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		L	$13.00\left(\frac{5.85+5.60}{2}\right)0.45$			= 33.49 cum	
		L	$30.00\left(\frac{5.40+5.70}{2}\right)0.55$			= 91.58 cum	
		L	$26.00\left(\frac{5.7+5.60}{2}\right)0.45$			= 66.11 cum	
					Total =	802.68 cum	
		Qty limited to Tender =				802.43 cum	
		@ Rs 106.00					Rs 85058.00
4)	Providing and laying in Position Plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40 mm and down Size graded granite metal coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted in foundation						
	for CC Drain						
	Main Road RHS	L	30.00	0.80	0.15	= 4.05 cum	
		L	26.00	0.80	0.15	= 3.51 cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Main Road LHS	L
		L
		L
		L
	Cross Road RHS	L
		L
	Cross Road LHS	L
		L
	Interior Road	L
		L
		Qty lo
		@ Rs

	Contents 7	Reference to last Measurement 8
	S = 33.49 cum	
	SS = 91.58 cum	
	S = 66.11 cum	
	= 802.68 cum	
	= 802.43 cum	
	RS 85058.00	
	ete of mix 1:4:8 with OPC granite metal coarse aggregate mixed, concrete laid in layers ed to roof	
	= 4.05 cum	
	= 3.81 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251073

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Main Road LHS	1	31.60	0.80	0.15 =	4.27 cum	
		1	30.00	0.80	0.15 =	4.05 cum	
		1	26.00	0.80	0.15 =	3.51 cum	
	Cross Road RHS	1	31.60	0.80	0.15 =	4.27 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
	Cross Road LHS	1	12.70	1.00	0.15 =	1.91 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
	Interior Road	1	12.70	0.80	0.15 =	1.71 cum	
		1	32.00	0.80	0.18 =	4.32 cum	
					Total =	40.59 cum	
		Qty limited to Tender @ RS 4847.00			=	40.35 cum	
						RS 195576.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8	
		@ RS 120.00				RS	11340.00
	8) providing and applying primer coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.60 kg porosity like cement stabilized soil base @ 1.10 kg/sqmt over prepared surface with S.S. bitumen emulsion using bitumen tanker fitted with spray set Qty vide Item no-97					= 942.50 sqm	
		@RS 74.00				RS	69745.00
	9) providing and laying semidense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of Item per hour using crushed aggregates of specified grading premixed with						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Kempegowda Layo

Contents	Reference to last Measurement
7	8
RS	11310.00
emulsion on prepared	
- road Surface and	
Soty like cement	
Surface with S.S.	
d with Spray set	
942.50 sqm	
RS	69745.00
te 25mm thick with	
ap output of Hrtmix	
adway premixed with	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251078

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Kempegowda Layout	1	28.50	$\frac{(3.10+4.00)}{2}$	0.025	= 2.53 cum	
		1	12.90	$\frac{(7.10+6.80)}{2}$	0.025	= 2.28 cum	
		1	30.00	$\frac{(4.09+5.50)}{2}$	0.025	= 3.90 cum	
		1	12.70	$\frac{(5.55+5.10)}{2}$	0.025	= 1.68 cum	
		1	32.00	$\frac{(5.40+4.30)}{2}$	0.025	= 3.88 cum	
		1	13.00	$\frac{(5.85+5.60)}{2}$	0.025	= 1.86 cum	
		1	30.00	$\frac{(5.40+5.70)}{2}$	0.025	= 4.16 cum	
		1	26.00	$\frac{(5.70+5.60)}{2}$	0.025	= 3.67 cum	

BR16
30/4/15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8

Audited & Admitted to Rs 1930450-00
1680958-00
and Rs 249492-00

Accts Suppl.
Byatarayanapura Dn
BBMP

Total = 23.95 Cum
Qty limited to Tender = 23.56 Cum
@ RS 1104.00
RS 260809.00

10) Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading
Qty wood Head No-01 = 577.75 Cum
@ RS 73.00
RS 42176.00

ST - 19305-00
VAT - 77218-00
LWF - 19305-00
CBF - 1931-00
PTN - 500-00
PSD - 115827-00
SP - 15406-00
Payload 249492-00

Total RS 1930458.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಜಿ. ಬಿ. ಬಿ. ಎಂ., ಬೆಂಗಳೂರು-97.

Zedhan
AE 28/4/2015.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

Certificate;-
certified th
no mate
Zedhan
AE 2

ents	Reference to last Measurement 8
5 Cum	Cert.
56 Cum	28/4/2015
RS	260809.00
	ಕಾ. ಅ. (ಬಾ.ವಿ)
age rates by	
g	
75 Cum	
RS	42176.00
RS	1930458.00
	28/4/2015.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251079

Serial No. .....

Name of Work ..... From..... To.....

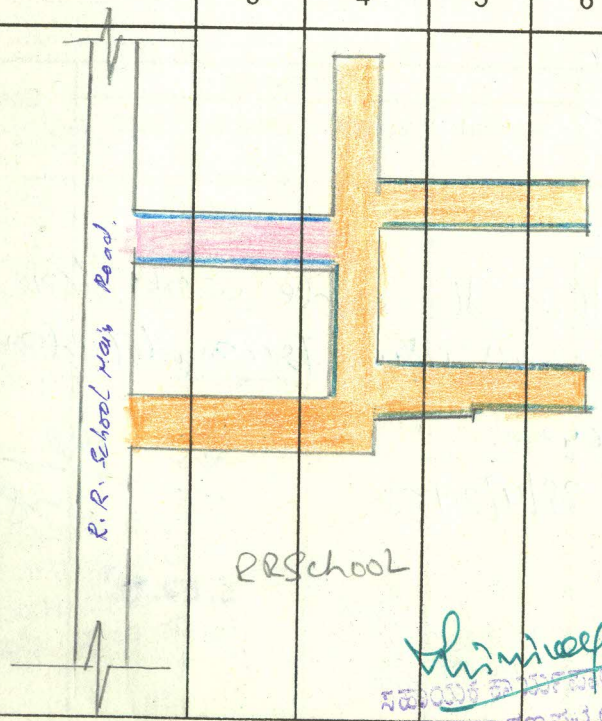
Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate;- certified that the above work done Satisfactory and no materials issued from departmentally. Sadhar AE 28/4/2015.						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಸ. ಕಾ. ಅ.
ಪುಲಿಕೇಶಿನಗರ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

MEASUREMENT BOOK

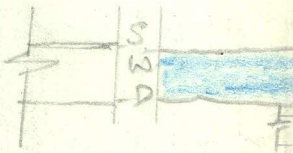
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

Jadhav
AE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ.ಬ.ಪಾ., ಬೆಂಗಳೂರು-97.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	Asphalting & Road Foo Dodabommasandra



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